



MARSHALL STAR

Serving the Marshall Space Flight Center Community

Sept. 27, 2007

Director David King presents center update at all-hands meeting Sept. 18

By Rita Roberts

Marshall team members crowded into the Morris Auditorium on Sept. 18 to hear Center Director David King and Center Deputy Director Robert Lightfoot present updates on center programs — including Constellation's progress and the status of Marshall's transition to Constellation.

"The reality is we're working on getting back to the moon, and that work begins here," said King. "We have a unique set of skills and capabilities that combine the exploration agenda and all the things that are needed to do that with the scientific component. This combination makes us unique, and I'm excited to integrate science and the exploration agenda."

King spoke about the dramatic impact the Vision for Space



Marshall Center Director David King, right, provided an update on NASA and center programs to employees during the all-hands meeting. Center Deputy Director Robert Lightfoot, left, joined King for the event.

Exploration had on Marshall and its team members and of the huge strides made toward achieving that vision. In regard to Ares — the launch vehicle that will transport the Orion crew exploration vehicle

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"Integration in Action" roadshow briefings

Marshall Deputy Director Robert Lightfoot shares updates on Marshall's programs/projects



Robert Lightfoot speaks to Marshall employees about his role and programmatic responsibilities as the new deputy center director.

Marshall Center Deputy Director Robert Lightfoot is hard at work communicating more directly with employees, and using roadshow presentations to demonstrate the value of centerwide interaction in meeting NASA's ambitious mission goals.

The "Integration in Action" roadshow briefings, being conducted across many center organizations, provide the opportunity for Lightfoot to share information with employees about his role and programmatic responsibilities as the new deputy center director. Lightfoot is also using the road shows to share his thoughts on how Marshall can best support NASA's strategic goals; how we're doing within our center's programs and projects, including how the "healthy tension" produced through our center's governance systems helps to ensure that our

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Marshall employees, area students, welcome STS-118 space shuttle astronauts

By Sanda Martel

Two crew members of space shuttle Endeavour's STS-118 mission, which flew Aug. 8-21, visited the Marshall Center on Sept. 19 to thank center employees for supporting their 13-day mission to the International Space Station.

Pilot Charlie Hobaugh and mission specialist Barbara Morgan received a warm welcome from Marshall employees, as well as more than 300 students from across North Alabama and southern Tennessee. Center Deputy Director Robert Lightfoot welcomed the astronauts to the Marshall event at the Activities Building 4316.

The astronauts presented highlights of their mission to continue assembly of the space station: the addition of the S5 truss segment, a new gyroscope and external stowage platform 3; four spacewalks to accomplish the construction tasks; and activation of a new system that enables docked shuttles to draw electrical power from the station to extend visits to the station.

The mission also featured a series of conversations between students on Earth and Morgan and the other crew members.



David Higginbotham/MSFC



Among those attending the mission highlights presentation by astronauts Charlie Hobaugh and Barbara Morgan were Adam and Mary Cate Cantrell, grandchildren of former astronaut Robert L. Stewart, who flew on space shuttle mission STS 41-B in 1984. Adam and Mary Cate are participating in the Plant Growth Chamber Engineering Design Challenge, one of the topics discussed by Morgan. It is a NASA program that encourages elementary, middle and high school students to design, build and evaluate lunar plant growth chambers.

Question-and-answer sessions from space with students resulted in a wide variety of questions from inquisitive students.

Morgan carried millions of basil seeds on board Endeavour and left them on the space station to be grown in microgravity. She brought back to Earth three million other basil seeds that have been on board the station for one year. NASA is working with the George W. Park Seed Company in Greenwood, S.C., on the Marshall-managed Experiment 3 and 4. Known as MISSE-3 and -4 — the third and fourth in a series of suitcase-sized test beds containing many different materials, including seeds — the experiments are placed outside the station to test how they withstand the harsh environment of space.

Endeavour's crew also included Commander Scott Kelly and mission specialists Tracy Caldwell, Rick Mastracchio, Alvin Drew and Canadian Space Agency astronaut Dave Williams.

STS-118 launched Aug. 8 from the Kennedy Space Center, Fla., and landed at the Kennedy Center Aug. 21. Preparations continue for space shuttle Discovery's scheduled launch in October of the STS-120 mission to deliver the pressurized Node 2 connecting module to the station.

The writer, an ASRI employee, supports the Office of Strategic Analysis & Communications.

STS-118 pilot Charlie Hobaugh, left, and mission specialist Barbara Morgan during their Marshall visit to thank employees for their support in making the STS-118 mission a success.

Marshall Center to host Disability Employment Awareness Month seminars Oct. 3-4

Motivational speaker and consultant Glenn McIntyre, accompanied by his service dog Boylan, will lead a series of motivational training seminars and speak to the Marshall Center team Oct. 3-4, inaugurating the center's activities for National Disability Employment Awareness Month.

The educational courses promote and encourage hiring people with disabilities, and provide a forum to discuss ways to provide disabled workers with reasonable workplace accommodations.

Three sessions for Marshall managers and supervisors will be held in Building 4200, Room P110, at 10 a.m. and 2 p.m. Oct. 3, and at 2 p.m. Oct. 4. McIntyre will illuminate the Americans with Disabilities Act, and show managers and team leaders how to broaden their recruiting efforts to include individuals with disabilities, while reducing liabilities.

The first training session is specifically geared toward supervisors and managers in the Engineering Directorate. The other two courses are open to managers and supervisors across the center. Supervisors are encouraged to attend.

All Marshall team members and other interested Redstone Arsenal personnel are encouraged to attend a general employee presentation by McIntyre at 10 a.m. Oct. 4 in Morris Auditorium in Building 4200. McIntyre will speak about his own experiences, and demonstrate the value and benefits of hiring workers with disabilities. With the help

of his Black Labrador assistant, he also will demonstrate how service dogs accommodate their masters' needs, and fit into a busy work environment.

Employees may pre-register for the free seminar on SATERN at <https://satern.nasa.gov>. Once logged in, SATERN users should go to the catalog, click on "Calendar of Offerings" and click on the proper seminar, Oct. 3 or Oct. 4. Click to be automatically registered.

Pre-registration is not required. Team members also may sign up at the door the day of the session. For more information regarding registration, call Ronald McDonald, human resources specialist, at 544-8315.

For more information about the training sessions or the auditorium event, call Allan Day, Disabilities Program manager in the Office of Diversity and Equal Opportunity, at 544-4079, or e-mail him at Allan.V.Day@nasa.gov.

A former California police officer, McIntyre is a trainer, speaker and founder of his own consulting company, McIntyre & Associates of Camarillo, Calif. He and Boylan travel across the country sharing their information program with NASA, the U.S. military, other federal government agencies and leading industry firms.

National Disability Employment Awareness Month dates back to a week-long event begun in 1945 to encourage employment of Americans with physical handicaps and to better recognize their skills and contributions. In 1962, the emphasis was broadened to persons with a range of disabilities. In 1988, Congress expanded the week to a month and gave it its current name.



Glenn McIntyre and his dog, Boylan.

Marshall civil servants, contractors required to be rebadged

NASA is in the process of implementing a new identification system. Homeland Security Presidential Directive 12, or HSPD-12, requires a governmentwide standard for federal executive agencies to issue new secure and reliable identification badges to its employees and contractors.

Initially, the new badge will be used in much the same way as the existing NASA badge, allowing access to NASA facilities. However, there are projects under way that will result in using the new badge to access NASA's applications through your computer. The new badge will provide civil servants and contractor employees with the following advantages:

- Minimizes the number of passwords to remember for accessing computer programs.

- Reduces the risk of identity theft by increasing protection of personal privacy.
- Increases security across the agency for access to facilities and information systems.

How do employees get this new badge? After an initial request is made, for example, by a NASA human resources office or a contractor's organization, you will receive an invitation, usually by e-mail, from the Manager@grc.nasa.gov to enroll. Upon arriving at the badging office, you will present two forms of identification, such as a driver's license or a U.S. passport and your Marshall Center-issued One NASA badge. (For a list of other acceptable 1-9 documents, visit the link section of the HSPD-12 Web site listed below.) Once your identity has been verified, your photograph will be taken

and your fingerprints will be electronically scanned. Finally, you must agree, via electronic signature, to the terms and conditions associated with the new badge.

When your new badge is ready, you will be contacted by security to schedule a time to pick it up. The badge exchange process involves placing your finger on a fingerprint reader to verify that the fingerprint minutiae contained on the chip in the new badge is yours. You also will be asked to choose a PIN consisting of six to eight digits. Then you trade in your old badge for the new one.

If you need more information, please contact your security office or visit the HSPD-12 Web site at <http://hspd12.nasa.gov/>.

Meeting

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to low Earth orbit — he said NASA now has a real program with real space hardware and will conduct the first Ares I test flight, known as Ares I-X, in less than 575 days. “That’s a testimony to the folks we have here,” he said.

In an overview of agency strategic goals, King stressed the importance of flying the space shuttle safely until its retirement in 2010, completing the International Space Station and developing a balanced overall program of science, exploration and aeronautics. He emphasized the importance of achieving the goals of putting a new crew exploration vehicle into service, pursuing appropriate partnerships and, ultimately, returning to the moon and establishing a base to help launch missions to Mars.

“We are making great progress in a lot of these areas,” said King. “You can see that Marshall supports each one of these goals in a very specific way.” He also provided a brief update on major programs at Marshall, including the work of the Lunar Precursor Robotics Program Office.

King noted that the Hubble Space Telescope and the Chandra X-ray Observatory are still giving the world amazing discoveries and scientific data. He highlighted two international collaborations that Marshall is working on: Hinode, a mission to investigate the interaction between the sun’s magnetic field and its corona, and the James Webb Telescope, an infrared-optimized space telescope scheduled for launch in 2013. He mentioned the Marshall-developed and managed Oxygen Generation System, which was delivered to the International Space Station and activated during the space shuttle’s STS-121 mission in July 2006; and the Marshall-developed and -managed Lab-on-a-Chip, a state-of-the-art science instrument that was delivered to the space

station during the STS-116 mission in December 2006.

Hailing the success of the last two shuttle flights and the hard work the Marshall team is doing, King told how Marshall is working to shape the Constellation Program — making major progress and meeting milestones. “We are doing parachute testing and have learned some things recently,” said King. “We’re on track to do the first test flight in April 2009, so we are making great progress on the first stage.”

A video was shown in the all-hands: a timeline of the space program’s accomplishments, transitioning to NASA’s “next giant leap” — Constellation. “I hope that you are as excited as I am about making contributions toward making it all happen,” said King.

Lightfoot spoke about the transition from shuttle to Constellation and how Marshall is accomplishing it. “We are ready for the challenge. We have the right team, we have the right skills, we can do it!” said Lightfoot.

Lightfoot discussed what has to be addressed for the transition, such as the 900,000 parts that must be dispersed from shuttle. He gave a brief overview of how the center and agency are structured for the transition, and how every organization is touched by it.

“All employees will be transitioned by 2013,” he said. “Procurement, facilities, engineering, shuttle and human capital are some of the folks involved in the transition of the shuttle. How we transition the workforce is key. We have to continually communicate.” Lightfoot talked about the future workforce and how Marshall is making plans to enable the generation that will take the space program into the future. King discussed getting students and educators excited about what NASA is doing today.

The short video “Did you know?” highlighted facts and statistics about the world’s population, education, technology and labor demands. “I wanted you to get a sense of what’s going on around the world and things that are happening,” said King. “We have to be even better at what we do. We have some major challenges ahead of us.

“We have to take a break and look at the world around us and put that in perspective. We need to be technologically out in front of these countries. We need to work hard and fast to try to make these programs a success and to stay ahead. And be the great country that we are as a result of the efforts of institutions like NASA.”

The all-hands will be available on the front page of Inside Marshall via video files and pod cast at <http://inside.msfc.nasa.gov/>. The presentations will be available by clicking on Director’s Corner. To learn more about the Marshall Center’s missions, visit www.nasa.gov/centers/marshall/missions/index.html.

The writer, an ASRI employee, supports the Office of Strategic Analysis and Communications.



David Higginbotham/MSFC

Steven Lambing, standing center, of the Office of Strategic Analysis & Communications, directs a question to King and Lightfoot during a question-and-answer session at the all-hands meeting.

Roadshow

Continued from page 1

programs and projects stay on the right track; his role in the Center Management Council; and the importance of clear communication between supervisors and employees. The briefings also provide an interactive forum for managers and supervisors to voice their ideas and concerns.

"My goal is for employees to understand how the center is managing programs and projects, and how our center is set up to effectively support achieving our missions," Lightfoot said. "It is amazing how much interaction there is between organizations here at Marshall and the way one organization treats something completely impacts the others."

One of Lightfoot's key roles is bringing a program/project "voice" to the Center Management Council, which is the primary governance body supporting Marshall Center Director David King. The council evaluates risks, encourages focused discussions on issues that

affect multiple programmatic and project areas, and has developed subcommittees to resolve those issues on an organizational level. Lightfoot said the additional focus the council provides ensures a healthy center. "It is my responsibility to advocate for the program/project side of Marshall and strike the appropriate balance with our technical authority in engineering and safety and mission assurance and to ensure that we're discussing the right topics and solving the right issues that impact our missions."

Lightfoot's briefings complement briefings recently conducted by Marshall Associate Director Robin Henderson, whose primary focus was helping employees to understand Marshall's governance model. Henderson's employee briefings concluded in July.

Lightfoot's employee roadshows will wrap up in October. For more information or to view the schedule, visit: <http://mcr.msfc.nasa.gov/>.

Megan Norris, an ASRI employee supporting the Office of Strategic Analysis and Communications, contributed to this article.

Classified Ads

To submit a classified ad to the Marshall Star, go to Inside Marshall, to "Employee Resources," and click on "Employee Ads — Submit Ad." Ads are limited to 15 words, including contact numbers. No sales pitches. Deadline for the next issue, Oct. 4, is 4:30 p.m. Thursday, Sept. 27.

Miscellaneous

Computer desk, \$125; sofa, \$125; rocker, \$25; dishes, crystal, \$10-\$40; formals, \$10-\$30. 534-0939 or 527-6898

Kitchen Aid dishwasher; cook stove, drop-in type, glass top, make offer. 828-3896

Metal tool chest, \$100; girl's 18-speed bike, \$40; bicycle car rack, \$50. 536-8951

2002 Toro Z Master zero-turn lawn mower, 44-inch deck, \$1,500. 337-7500 or jbcollinsjr@yahoo.com

25-inch Sylvania color TV, walnut cabinet, \$225. 772-6469

John Deere mower, attachments, needs cables, \$100; Epiphone, Fender amp, hard case, \$575. 653-0800

8-week-old Great Pyrenees, \$100. (205) 274-0125

Four wheels, 20 inches by 8 inches, spokes, unilug pattern, \$250. (931) 308-1238

Two antique formal arm chairs, new fabric, matching ottoman, \$200. 503-6773

Ryobi weed trimmer, straight shaft, automatic line dispenser, attachable shaft, \$55. 880-9025

Two Auburn vs. Ole Miss, two Auburn vs. Tenn. Tech football tickets, \$30 each. 536-6436

Authentic Hawthorne Christmas village, hand-painted, lighted, many accessories, entire set or separate. 533-2287

Ab Lounger, \$70; coffee table, \$20. 890-0799

King four-poster bed, solid oak, stairs, two matching nightstands, \$850 obo. 461-4193

Upright piano, ebony finish, \$300. 665-6021

Wheelchair, \$50; porta-pot, \$20; over-bed table, \$25, walker, \$10, exercise bike, \$25. 859-2599 or 503-9300

AMD X2 4400 CPU, DeskJet D1455 printer, Sony 32X CD/RW. 457-5953

AKC Golden Retriever puppies, shots, wormed, ready Sept. 27, \$250 females, \$200 males. 325-2430

Granite dining table, gray, six multi-colored, highback parson chairs, \$725. 468-8306

Whirlpool bathtub, 72 by 42 inches, almond, six jets, working pump, \$150. 655-6701

Executive contemporary Paoli desk, cherry, credenza, hutch, \$1,200 obo. 881-6800

Vehicles

2007 Chrysler 300, gray, warranty, 20k miles, \$18,500; 2003 Escalade, black, 75k miles, \$22,500. 520-2802

2007 Polaris 50 Predator four-wheeler, \$1,500. 777-8906

2006 Toyota Camry, maroon/tan, four cylinder, automatic, 28k miles, \$17,000. 683-6433

2005 Suzuki Hayabusa 1300 GSXR, extended warranty, helmet, jacket, extras, \$8,500. 658-3104

2003 Ford Explorer XLT, new Michelin tires, \$9,800. 679-3214

2001 Chevy S10 pickup truck, red, three door, new tires, 66k miles, \$7,700. 864-0413

2000 Nissan Xterra, 70k miles, \$11,000. 679-3214

2000 GMC custom-designed work truck, 4x4, V6, automatic, skid plates, 92k miles, \$5,500. (931) 967-7307

2000 Toyota Avalon XLS, silver, moonroof, six-disc CD changer, leather, power seats, \$11,400. 539-3858

1999 Pontiac Grand Am GT, V6, black, leather, sunroof, new tires, 130k miles, \$4,800. 694-0656

1997 Lexus LX450, white, tan interior, six cylinder, extras, automatic, 4x4, \$7,500. 655-8166

1997 F-150, extended cab, five speed, 140k miles, \$5,600. 603-5907

1997 Camry, new tires, 178k miles, \$4,300. 534-6831 or 797-7204

1993 Lexus ES300, black, leather, moonroof, 115k miles, \$4,900. 566-3598

1992 Ford E-150 van, new engine, 15k miles, \$4,950. (931) 427-8048

19-foot Bayliner Capri Bowrider, 125 hp, trailer, covers, extras, \$4,000. 653-3647

Single-axle enclosed trailer, 7 feet by 14 feet, rear-ramp door, side door. 655-3469

Wanted

Suspended ceiling parts, 24-inch cross-tees, older style for 25- to 40-year-old grid system. 233-0705

Found

Silver bracelet, east entrance, Bldg. 4610. 544-7382

Silver and turquoise necklace, north parking lot, Bldg. 4610. 544-5761

Free

Outdoor brick fireplace grill, also good fieldstones for building, decorating. 881-8879

2007 Combined Federal Campaign under way

The Tennessee Valley Combined Federal Campaign, the government's annual goodwill drive to benefit charitable organizations, was launched Sept. 25 with a tailgate celebration and fair in the NASA Picnic Area. Hundreds of Marshall Center employees and contractors turned out to show their support for the fall fundraiser.

The 2007 campaign theme is "Give Today, Change Tomorrow." Marshall has set this year's campaign goal at \$600,000.

Though the Combined Federal Campaign officially runs from Oct. 8 to Dec. 7, a number of events will get under way early this year. For more information about Marshall's CFC effort, call Irene Taylor at 544-2051.

Volunteers needed for early service events

The annual CFC "Community Service Days" will be held Oct. 8 through Nov. 16. But Marshall team members are being asked to help kick off the volunteer season early for three local charitable organizations.

Habitat for Humanity of Madison County will hold a housecleaning event Oct. 1 and Oct. 4-5, putting the finishing touches on five new homes. Volunteers are needed in two shifts: 8 a.m. to noon, and 12:30-4:30 p.m. A map of the building sites is available at signup.

The Salvation Army will hold its annual Angel Tree signup event Oct. 1-5 at 2114 Oakwood Ave. in Huntsville. Volunteer shifts are 8:30 a.m. to 12:30 p.m. and 12:30-4:30 p.m. each day. Eight volunteers are needed for each shift.

The Association for Retarded Citizens will hold its annual Special Olympics Oct. 2 from 8 a.m. to 1 p.m. at Milton Frank Stadium in Huntsville. Forty volunteers are needed to escort participating athletes.

Marshall team members interested in supporting any of these events can visit <http://oscar.msfc.nasa.gov/co/cfc2007.nsf/csd> to sign up. For more information, call Patricia Benson at 544-3780.

CFC leadership training continues

A series of CFC leadership training courses is now being held for organization leads, solicitors and monitors supporting the 2007



David Higginbotham/MSFC

Ralph Malone, left, president and chief executive officer of Triana Industries in Madison, Ala., is greeted by Roy Malone, director of the Marshall Center's Safety and Mission Assurance Directorate, at the kickoff for the 2007 Combined Federal Campaign on Sept. 25.

Combined Federal Campaign. Classes will be held Sept. 27 at 9 a.m. and 1 p.m., Oct. 2 at 1 p.m., and Oct. 3-4 at 9 a.m. and 1 p.m. Each session is one hour long. All classes will be held in Bldg. 4200, Room G-13C. For more information, call David Percival at 544-0192.

CFC T-shirt deadline extended

Team members are encouraged to order 2007 Combined Federal Campaign T-shirts by 2 p.m. Oct. 2.

The heavyweight, 100-percent cotton T-shirts are gold, with the CFC logo on front and the NASA logo on back. Shirts are available in six sizes. Small, medium, large and extra-large shirts are \$10. Double-XL and triple-XL shirts are \$12.50.

To pay by check, visit the NASA Exchange Shop in Bldg. 4203. Order forms also are available online. Visit Inside Marshall and click on the "Upcoming Events" link.

Shirts will be available for pickup Oct. 12. For more information, call Linda Vestal at 544-0594.

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